

Converting Colors

XYZ(30.4930, 42.3612, 23.7242)

Have a look what the booklet for
XYZ(30.4930, 42.3612, 23.7242)
contains.

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Color

**XYZ(30.5209, 42.3703,
23.7092)**

Conversions

Conversions Part 1

Format	Color
Hex	81BD76
RGB	129, 189, 118
RGB Percent	51%, 74%, 46%
CMY	0.4941, 0.2588, 0.5372
CMYK	0.32, 0.00, 0.38, 0.26
HSL	111°, 35%, 60%
HSV	111°, 38%, 74%
XYZ	30.5209, 42.3703, 23.7092
YIQ	162.9660, -12.9690, -34.8010

Conversions

Conversions Part 2

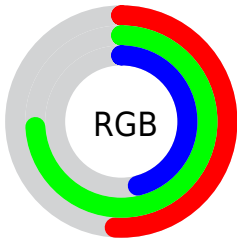
Format	Color
RYB	118, 189, 178
Decimal	8502646
CIELab	71.13, -33.15, 29.89
CIELCh	71, 44.637, 137.957
Yxy	42.3703, 0.3160, 0.4386
Android (android.graphics.Color)	4286692726 (0xFF81BD76)
YUV	162.9660, -22.1682, -29.7882
Hunter-Lab	65.0925, -30.2158, 23.9690

Details

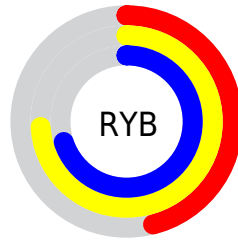
The XYZ color **30.5209, 42.3703, 23.7092** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.0256, 26.0972, 51.3902**, and the grayscale version is **34.9034, 36.7211, 39.9892**.

A 20% lighter version of the original color is **60.0736, 79.0422, 50.6185**, and **12.7679, 19.3231, 8.5256** is the 20% darker color. If you saturate the color by 10%, you get **27.2691, 40.8122, 18.2702**, and if you desaturate by 10%, it is **34.3792, 44.2175, 30.3531**.

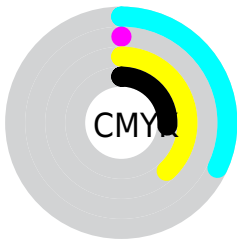
Distribution



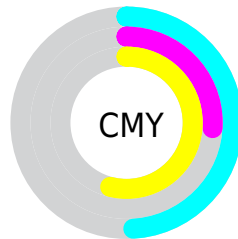
- Red (51%)
- Green (74%)
- Blue (46%)



- Red (46%)
- Yellow (74%)
- Blue (70%)



- Cyan (32%)
- Magenta (0%)
- Yellow (38%)
- Black (26%)



- Cyan (49%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5209, 42.3703, 23.7092 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.5209, 42.3703, 23.7092 by changing the saturation by 10% instead.

■ 30.5209, 42.3703,
23.7092

■ 30.5209, 42.3703,
23.7092

296.1914,
356.0157, 284.5860

■ 20.3843, 29.3914,
14.9078

■ 59.8660, 78.7598,
50.4931

■ 12.7846, 19.3771,
8.6088

■ 79.8052, 102.9390,
69.3127

■ 7.3564, 11.9431,
4.3936

■ 103.7427,
131.6206, 92.3089

■ 3.7343, 6.7049,
1.8437

132.0438,
165.1888, 119.9001

■ 1.5529, 3.2783,
0.4565

165.0738,
204.0280, 152.5048

■ 0.3614, 1.2787,
0.0000

203.1982,

■ 0.0000, 0.1246,

248.5226, 190.5417

0.0000

246.7823,
299.0570, 234.4293

■ 0.0000, 0.0000,
0.0000

■ 30.5209, 42.3703,
23.7092

■ 30.5209, 42.3703,
23.7092

■ 27.2691, 40.8122,
18.2702

■ 34.3792, 44.2175,
30.3531

■ 24.5896, 39.5235,
13.9613

■ 38.8695, 46.3619,
38.2651

■ 22.4494, 38.4900,
10.7036


■ 44.0201, 48.8179,
47.5075


■ 20.8109, 37.6945,
8.4072


■ 49.8561, 51.5972,
58.1374


■ 19.6315, 37.1171,
6.9668

■ 56.4017, 54.7112,
70.2088

 18.8561, 36.7330,
6.2284

 63.6797, 58.1705,
83.7728

 18.7130, 36.6621,
6.0902

 71.7119, 61.9852,
98.8779

 77.4884, 64.8768,
103.0461

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.0047, 42.3703, 17.0279



30.5209, 42.3703, 23.7092



27.7968, 42.3703, 38.0740

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.5209, 42.3703, 23.7092



37.3491, 42.3703, 99.1767



55.5353, 42.3703, 34.5809

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.5209, 42.3703, 23.7092



34.0256, 26.0972, 51.3902

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.0117, 42.3703, 55.2582



30.5209, 42.3703, 23.7092



44.8631, 42.3703, 97.3589

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.5209, 42.3703, 23.7092



31.4000, 42.3703, 83.9120



51.9052, 42.3703, 79.5208



50.6745, 42.3703, 21.8360

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.5209, 42.3703, 23.7092



27.6582, 42.3703, 52.0643



51.9052, 42.3703, 79.5208



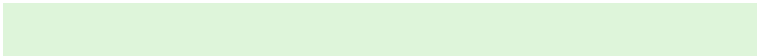
56.2336, 42.3703, 40.6721

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.5220, 42.3721, 23.7101



75.3676, 85.7756, 78.8259



40.0131, 43.6389, 23.4544



15.9366, 18.3165, 16.4646



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.5220, 42.3721, 23.7101



49.8335, 73.5700, 34.3629



30.5276, 42.1916, 31.9960



9.5427, 10.7187, 10.1426



12.6324, 24.6881, 4.0995



0.5389, 0.9898, 0.1626

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.0256, 26.0972, 51.3902



56.9756, 40.2587, 90.9940



34.2881, 26.5055, 39.0670



9.7809, 9.6194, 12.0134



15.9494, 7.5083, 33.0015



0.6645, 0.3146, 1.2946

Previews

White Background



This preview shows how the XYZ color 30.5209, 42.3703, 23.7092 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.5209, 42.3703, 23.7092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5209, 42.3703, 23.7092

Background



This preview shows how black text looks on a background with the XYZ color 30.5209, 42.3703, 23.7092.



This preview shows how white text looks on a background with the XYZ color 30.5209, 42.3703,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.5209, 42.3703, 23.7092

Protanopia

38.8545, 41.8758, 21.3642

Deuteranopia

42.6650, 41.8243, 24.5631



Tritanopia

37.2142, 42.2883, 57.2400

Trichromacy



Original Color

30.5209, 42.3703, 23.7092

Protanomaly

35.0937, 41.6706, 22.1132

Deuteranomaly

36.9473, 41.1176, 24.0783

Tritanomaly

34.1329, 41.9385, 42.3723

Monochromacy



Original Color

30.5209, 42.3703, 23.7092

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.7815, 38.1909, 33.2476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5209, 42.3703, 23.7092 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 189, 118)` looks like.

```
.text, #text, p{  
    color:rgb(129, 189, 118)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 189, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 189, 118) }
```

Border

The CSS property to change the border of an element to XYZ 30.5209, 42.3703, 23.7092 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 189, 118) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(129, 189, 118) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(129, 189, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 189, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 189, 118);  
box-shadow:4px 4px 4px 4px rgb(129, 189,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5209, 42.3703, 23.7092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 189, 118) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
189, 118) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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